

19 wherein said mutein of the amino acid sequence encoded by SEQ ID NO 19 has antifungal activity; or a part of the amino acid sequence of SEQ ID NO 19 having antifungal activity; or

(c) an amino acid sequence encoded by SEQ ID NO 57 which has antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 57 wherein said mutein of the amino acid sequence encoded by SEQ ID NO 57 has antifungal activity; or a part of the amino acid sequence of SEQ ID NO 57 having antifungal activity; or

(d) an amino acid sequence encoded by SEQ ID NO 70 which has antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 70 wherein said mutein of the amino acid sequence encoded by SEQ ID NO 70 has antifungal activity; or a part of the amino acid sequence of SEQ ID NO 70 having antifungal activity; or

DS  
(e) an amino acid sequence encoded by SEQ ID NO 72 which has antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 72 wherein said mutein of the amino acid sequence encoded by SEQ ID NO 72 has antifungal activity; or a part of the amino acid sequence of SEQ ID NO 72 having antifungal activity; or

(f) an amino acid sequence encoded by SEQ ID NO. 74 which has antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 74 wherein said mutein of the amino acid sequence encoded by SEQ ID NO 74 has antifungal activity; or a part of the amino acid sequence of SEQ ID NO 74 having antifungal activity, wherein the muteins in subparagraphs (a) - (f) differ from the

D5  
respective amino acid sequences of which they are muteins only by the replacement, addition or deletion of one amino acid.

---

Claim 59 (amended) An isolated antifungal protein comprising the amino acid sequence encoded by the open reading frame of SEQ ID NO 15 or a part of said amino acid sequence having antifungal activity.

D6  
Claim 60 (amended) An isolated antifungal protein comprising the amino acid sequence encoded by the open reading frame represented by SEQ ID NO 19 or a part of said amino acid sequence having antifungal activity.

---

#### REMARKS

The Official Action of October 21, 2002 has been carefully considered and reconsideration of the application as amended is respectfully requested.

The courtesy of Examiner Hutson in discussing this application with the undersigned by telephone and in withdrawing the previous action based on no preliminary amendment in favor of the aforementioned Official Action of October 21, which takes account of the preliminary amendment, is gratefully acknowledged. Applicants note that the new action does not set a shortened statutory period for reply whereby Applicants are entitled to the full six (6) month statutory period for response without payment of extension fees.

Applicants submit herewith proposed drawing corrections to take account of the draftsperson's objections to the drawings. Applicants respectfully request that the